GRAVIS*

BlackHawk+

Installations-anleitung

Installation rapide

Instalación Rápida

Installazione rapida

Instalação rápida

QUICK INSTALL

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference to radio or television reception, which can be determined by turning the equipment on and off, will not occur. The user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and the receiver.*
- *Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.*
- *Consult the dealer or an experienced radio/TV technician for help.*

CAUTION: Changes or modifications not expressly approved by Advanced Gravis Computer Technology could void the user's authority to operate the equipment.

To meet FCC requirements, shielded cables are required to connect the device to a personal computer or other Class B certified device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Getting Started

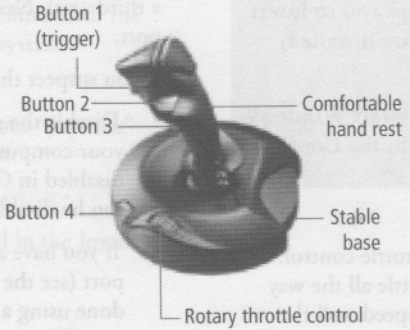
THE FIRST STEP...

Fill out the registration card, and mail or fax it back to Gravis.

We supply our registered customers with full warranty and technical support, product upgrade information, and special offers.

JUST PLUG IT IN!

1) Turn off your computer.
2) Plug the Blackhawk 15-pin connector into Port A of an active game port in your computer.
3) Turn on your computer. If you're running Windows® 95, follow the setup instructions on the next page.
4 Start your favorite game.
5) Choose "Joystick" control in the game's Setup program.
6) Run the game's calibration slowly and carefully so that the game gets a good reading from the joystick. If the game asks you to move the joystick to each corner and press a button, make sure you hold the stick in that corner position while you press the trigger.
7) Play the game, and savor the taste of triumph!



Blackhawk+ Quick Install

Thank you for choosing Gravis Blackhawk.

You'll never be sorry for your choice...but your opponents will.

In this package, you should find:

- *Blackhawk joystick*
- *This Quick Install guide*
- *Registration card*

In addition to Blackhawk, Gravis manufacturers a broad line of top-quality game controllers.

Check out the Gravis internet web site (www.gravis.com) for the latest product news!

GRAVIS

WINDOWS 95 SETUP

1) Click Start, and select Settings, then Control Panel.
2) Double-click the Joystick icon*.
3) Select "3-axis, 4-button joystick" from the "Joystick Configuration" choices.

If you don't find a Joystick icon, you must add the PC game port as New Hardware first:

a) **In the Control Panel, select Add New Hardware. When prompted to search for new hardware, select No and click Next.**

b) **Select Sound, Video, and Game Controllers. Click Next.**

c) **Select "Microsoft" as the Manufacturer and "Gameport Joystick" as the Model. Click Next. Windows will look for the correct driver files; it may prompt you to insert the Windows disk/CD. When the files are installed, click Finish.**

d) **Say Yes to the Shutdown prompt, and restart Windows 95. A Joystick icon should now appear in the Control Panel.**

THE THROTTLE CONTROL

The control wheel to the left of the stick is the throttle control. Before you start a game or simulator, roll the throttle all the way back towards you until it stops. To increase your speed, roll the throttle control forward (away from you); to decrease speed, roll back on the throttle. Note, some games do not support throttle contral. Do not use throttle control with these games.

IF BLACKHAWK DOESN'T WORK AS EXPECTED:

A comprehensive joystick and game port testing program (GravUtil) is available from the Gravis Internet Web site: *http://www.gravis.com* or *ftp.gravis.com.*

Game Port Problems

Substandard Game Ports

Blackhawk is designed to work with an IBM-compatible game port that supports 4 axes (the X-axis and Y-axis for two joysticks) and 4 buttons. Some game ports (mostly commonly built-in game ports and the game ports on multi-I/O boards) will support only one 2-axis, 2-button joystick. If you have one of these substandard game ports, the Blackhawk throttle control will not work (because it uses a third axis). Neither will buttons 3 and 4 work with this type of port.

If you suspect that you are using a substandard game port:

- Disable the substandard game port. Look in the manual for your computer system for instructions. Built-in game ports are disabled in CMOS; often, the game ports on multi-I/O cards can be disabled with a jumper.
- If you have a sound card in your computer, enable its game port (see the sound card's manual for instructions; this may be done using a jumper or using a software switch). Then connect your Blackhawk to the sound card's game port.

Conflicting Game Ports

If your game port is fully functional, yet you find that the joystick works erratically — or doesn't work at all — there may be a second game port in your computer that is causing a conflict.

It is important that only one game port be active in your computer system. Every game port uses the same address (201H), so having more than one active game port in your system can cause a variety of problems.

Check the back of your computer for 15-pin connectors; often, these indicate a game port. Look in your computer hardware manuals (including your sound card manual) for references to game ports and instructions for disabling them. Make sure that only one game port is active (enabled) in your computer system.

SECOND JOYSTICK

Using Blackhawk with a second joystick is not recommended; the throttle will conflict with the Y-axis of the second joystick.

WINDOWS 95 CALIBRATION PROBLEMS

If the Calibration button in the Win 95 Control Panel "Joystick" settings produces a "joystick is not connected " error:

- Check the game port connection.
- Make sure "3-axis, 4-button joystick" is selected in the Joystick setup.
- Make sure that your game port is active.
- If you don't have a plug & play game port, use Device Manager to make sure the input range of the Microsoft gameport joystick driver is 0201–0201. If not, remove and reinstall the driver or contact the game port's manufacturer.

TECHNICAL SUPPORT INSTRUCTIONS

Technical support is available to all registered owners of Gravis products. There is no charge for technical support, except possible long distance charges.

TECHNICAL SUPPORT TIPS

- If only certain programs are affected, read their manuals for information relating to joysticks and game cards.
- Call from a phone where you have access to your computer so you can test suggestions and provide any additional information that may be required.
- Please be prepared to provide the following information:
 - Name, address and telephone number
 - The name of the Gravis product
 - Make and model of your computer
 - Your system software and version
 - Symptoms of the problem, and what led to them

Support By Telephone

Technical support is available by telephone Monday–Friday 9 a.m.–6:00 p.m. E.S.T.

In the United States, Canada, and Mexico, please call:

Phone: (610) 266-9505 Fax: (610) 231-1022

In Europe, please call one of these numbers:

Austria 0660-5791
Belgium 0800-16778
Denmark 800-17838
Finland 9800-13228
France 05-906053
Germany 0130-810654
Hungary 00800-11727
UK 0800-894383
Netherlands 0800-0222-694
Norway 800-11335
Spain 900-993129
Sweden 020-795845
Switzerland 155-8605

If your country is not listed, please call (610) 266-9505 (US).

If telephone support is not convenient, we welcome questions sent via fax or e-mail. Gravis cannot guarantee support in any language but English; however, support in other languages may be available from our European office.

Support By Electronic Mail

Contact Gravis at the following addresses:

Internet Web Site: http://www.gravis.com

Troubleshooting information and Frequently Asked Question responses are available 24 hours a day on the Gravis web site.

Internet E-mail: pcstick@gravis.com (North America)
gravis@euronet.nl (Europe)

Internet File Server: ftp.gravis.com

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901-0131-01
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Printed in China.

KM6160000A-C